MAR 0 3 SOOF M

Approved for use through 07/31/2008. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Complete if Known

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

of 3

Complete if Known

Application Number 10/018,755

Filing Date April 30, 2002

First Named Inventor Rainer Perthold

Art Unit 2637

Examiner Name Aslan Ettehadieh

Attorney Docket Number 34420,00,0001

Sheet		1 01 13		Allottiey Docket Nutriber 34420.00.000 I		
<del></del>			U. S. PATENT	DOCUMENTS		
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2</sup> (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, When Relevant Passages or Relevan Figures Appear	
K		<sup>US-</sup> 5,113,414	05-12-1992	Karam et al.		
14		<sup>US-</sup> 4,276,514	06-30-1981	Huang		
K		US- 6,314,142 B1	11-06-2001	Perthold et al.		
1		<sup>US-</sup> 5,023,937	06-11-1991	Opas		
R		<sup>US-</sup> 4,465,980	08-14-1984	Huang		
R		<sup>US-</sup> 6,674,125	06-16-1987	Carlson et al.		
K		US- 3,732,502	05-08-1973	Seidel		
in		UŞ-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-		1		
		US-				
		US-				
	1	US.		i i		

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.	Foreign Patent Document  Publication Date A MM-DD-YYYY  Country Code <sup>3</sup> "Number <sup>4</sup> "Kind Code <sup>3</sup> (if known)		Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages		
			.,	Or Relevant Figures Appear	T°		
ile		EP 0844732 A1	05-27-1998	Space Systems			
W		EP 0774833 A1	05-21-1997	NTT Mobile Comm			
K		EP 0121446	10-10-1984	Gaudin			
R		EP 0367458 B1	06-05-1996	AT&T Corp.			
The		WO 93/18581	09-16-1993	Motorola Ltd.			
ĸ		GB 2240893 A	08-14-1991	Mitsubishi			

Examiner	11 1 1	Date	[ <b>.</b>
Signature	W 6 // R	Considered	1 (- Ul - 2066
[ 0.9		00.10.00.00	7 2 2

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 'Applicant's unique citation designation number (optional). 'See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. 'Senter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 'For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 'Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 'Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

4995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

Sheet 2

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number 10/018,755

Filing Date April 30, 2002

First Named Inventor Rainer Perthold

Art Unit 2637

Examiner Name Aslan Ettehadieh

Attomey Docket Number 34420.00.0001

U. S. PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant		
	110.	Number-Kind Code <sup>2 (I troom)</sup>		Applicant or Once Document	Figures Appear		
		US-					
		US-					
		US-					
		US-					
		US-					
		US-					
	1	US-					
	<del>                                     </del>	US-					
		US-					
		US-					
		US-					
		US-					
		US-					
	<b>i</b>	US-					
		US-					
		US-					
		US-					
		US-	1 .				
	1	US-	<b>1</b>				

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear		
		Country Code <sup>3</sup> "Number <sup>4</sup> "Kind Code <sup>5</sup> (If known)	MM-DD-YYYY				
jh		EP 0312261 B1	03-23-1993	GEC-MARCONI			
r		EP 0658975 A1	06-21-1995	Alcatel			
N		DE 3423484 C2	10-01-1985	General Electri			
K		DE 4326007 A1	09-02-1995	Huber			
R		DE 4319216 A1	12-15-1994	Rohling			
7-		DE 19631388 A1	01-02-1998	Fraunhofer			

Examiner Signature	Uniha	Date Considered	3-21-50m

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as Indicated on the document under WIPO Standard ST.16 If possible. ⁴Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

MAR 0 3 2006 w

PTO/SB/08B (08-03)
Approved for use through 07/31/2005. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitut	te for form 1449/PTO	PADS			of information unless it contains a valid OM Complete if Known	
•				Application Number	10/018,755	
INFO	DRMATION	DIS	CLOSURE	Filing Date	April 30, 2002	
STATEMENT BY APPLICANT				First Named Inventor	Rainer Perthold	
	(Use as many she			Art Unit	2637	
	(Ose as many sne	612 62 1	ecessary	Examiner Name	Aslan Ettehadieh	
Sheet	3	of	3	Attorney Docket Number	34420.00.0001	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
K		Translated PCT Search Report; International Application No. PCT/EP00/04580; dated October 1, 2001; pages 1-6.	

Examiner Signature	hamme	Date Considered	3-21-2006

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.